AEE/TDSD/SBR/17-18 dt 5/6/17

Original/Duplicate/Triplicate

# CONTRACT CERTIFICATE

(For Other Works)

No. 1st and Final Bill — Date : .....

Division DD — Sub-Division

Bill Received No. 132 Dated 30.06.17 — Cash Book Voucher No. ..... Dated : .....

Scheduled Doctet No. ..... — Head of Account .....

Name of work ( as per sanctioned estimate) IMPROVEMENTS TO 1ST CROSS, 1ST A CROSS, 1ST B CROSS, 2ND D CROSS, 3RD CROSS 4TH MAIN & 5TH MAIN ROADS OF DEFENCE COLONY IN BAGALAGUNTEE IN WARD NO. 14

Name of Contractor and Full Address TECHNICAL MANAGER (WEST) , KRIDL

Reference to Agreement No. EE/DD/WO/ 82 / 2017-18 Date: 19.05.2017

Certified that the measurements were taken by me on 5/6/2017 and recorded in pages 562 to 563 of measurements Book No. 5625/16-17 and that the work is satisfactorily executed.

Contractor — Officer in - charge of work

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

Certified that the measurements were checked by me on ..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

JOB NO : 014-17-000056

Sub - Division Officer

*If Memorandum of Payment*

| | | AMOUNT |
|---|---|---|
| 1. | Total value of work done or supplies made as per account. | -- |
| 2. | Deduct amount to be held in reserve being ..... percent Rs. ..... | -- |
| 3. | - do - Balance | |
| 4. | Deduct Payments : | |
| | a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No. ..... Amount adjusted towards cash advance recovery of | |
| | b) Payments cost store or other materials supplied. | |
| 5. | Balance being unpaid value of work done held in reserve | |
| 6. | Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments | |
| 7. | Net amount due to or from contractor Unadjusted items | |
| 8. | Advance to contractor for materials brought to site ( as detailed) within value of Government materials supplied. | |
| | Total amount adjusted | -- |

1st and finall Bill Amount → 499445=00

IT → 99889=00

VAT → 199778=00 → 407038=00

LC → Total 58432=00

LWC → 49945=00

CRF → 4994=00

Net Amount → 458419=00

Received Rs. ..... (in words)

..... by cash and by adjustment of Payment as per memorandum.

(In final settlement of all demand )

Witness :

1.

2.

Date

Contractor Signature

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

( For use in the Office )

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010 Signature of Contractor

Paid by me by cheque No. ..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated .....

Audited and admitted ... Rs. 499445=00

Passed by ... Rs. 458419=00

407038=00

Director

Scanned by CamScanner

| | Items of work ( grouped under sub-heads the sub works of the estimate) | Unit | Previous Meas | | Present Measurement | | | Total Up-to date | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Cost | Qty | Rate Rs Ps | Cost | Qty | Cost | |
| 1 | Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications Disposal of debris of debris to the final place of desposlawith all lead and lift and as direction by the engineer in charges of the work lead 4 km as per specification complete as per specification | Cum | — | — | 84.96 | 170.92 | 14521.00 | 84.96 | 14521.00 | |
| 2 | Removing B.S slab of Drain and stacking ( | Sqm | — | — | 32.40 | 65.72 | 2129.00 | 32.40 | 2129.00 | |
| 3 | Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications | Cum | — | — | 95.76 | 5158.02 | 494028.00 | 95.76 | 494028.00 | |
| 4 | Providing and constructing granite / trap/ basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications | Cum | — | — | 3.96 | 4438.22 | 17575.00 | 3.96 | 17575.00 | |
| 5 | Providing and removing centering shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications | Sqm | — | — | 5.50 | 311.58 | 1708.00 | 5.50 | 1708.00 | |
| 6 | Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications | Cum | — | — | 0.49 | 5578.92 | 2743.00 | 0.49 | 2743.00 | |
| 7 | Cement Concrete Pavement:- Construction un-reinforced plain cement concrete pavement, thickness as per design over a prepared sub base with OPC cement or any other type as per clause 1051.2.2. with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrance, sealant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 ( at 360 kg per cum coarse | Cum | — | — | 226.23 | 6217.96 | 1406689.00 | 226.23 | 1406689.00 | |
| 8 | Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift | Sqm | — | — | 216.15 | 95.40 | 20621.00 | 216.15 | 20621.00 | |
| 9 | Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. for concrete pavement | Rmt | — | — | 101.50 | 121.90 | 12373.00 | 101.50 | 12373.00 | |
| 10 | Removing & Refixing stone slabs of drains and pointing in C.M (1:3) | Sqm | — | — | 48.60 | 80.56 | 3915.00 | 48.60 | 3915.00 | |
| 11 | Providing a granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete for 7.5 cms thick | Sqm | — | — | 32.40 | 665.68 | 21568.00 | 32.40 | 21588.00 | |
| 12 | Providing and construction load bearing wall with solid concrete block of Size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1) : 2005 and constructed CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges scaffolding, curing, hire charges of machineries etc., Complete as specification( | Sqm | — | — | 48.00 | 993.22 | 47675.00 | 48.00 | 47675.00 | |
| 13 | Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 | tonne | — | — | 3.49 | 5941.00 | 20735.00 | 3.49 | 20735.00 | |

Scanned by CamScanner

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | Supplying and fixing precast reinforced concrete slabs 10cm thick of mix M20 using 20mm and sownsize graded granite metal using reinforcement 10mm dia steel at 150mm C/C both ways cost, transportation, hire charges of machinery machine cutting the vertical face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges inclusive of cost of all materials | Sqm | — | — | 2770 | 160070 | 432070 | 2770 | 4320070 | | |
| 15 | Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, transporting to the embankment location within all lifts and leads upto 1000 metres complete as per specifications. | Cum | — | — | 393-30 | 132-76 | 52215-70 | 393-30 | 52215-70 | | |
| 16 | Construction of granular sub-base by providing coarse graded material, spreading in uniform layers with mortor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per specifications. for coarse graded granular sub-base material as per 400-2. For Grading I | Cum | — | — | 196-65 | 1518-98 | 298707-70 | 196-65 | 298707-70 | | |
| 17 | Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. | Cum | — | — | 196-65 | 1768-08 | 347683-70 | 196-65 | 347683-70 | | |
| 18 | Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg/sqm using meachanical means complete as per | Sqm | — | — | 1311-70 | 27-56 | 3613-70 | 1311-70 | 3613-70 | | |
| 19 | Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 | Sqm | — | — | 294-750 | 11-66 | 3436-80 | 294-750 | 3436-80 | | |
| 20 | KSRRB 500-11 : Providing and laying bituminous macadam on prepared surface with cushed coarse aggregates as per design mix formula for base/binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specification. MORTH Chapter 5 | Cum | — | — | 65-55 | 5237-46 | 343316-70 | 65-55 | 343316-70 | | |
| 21 | Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects complete as per specifications. MORTH Specification No.509, using 40/60 TPH capacity HMP with sensor paver Gr-II (30 to 45mm) with 6% VG-30 Bitumen | Cum | — | — | 140-67 | 7270-56 | 1022747-70 | 140-67 | 1022747-70 | | |
| 22 | Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform | Sqm | — | — | — | — | — | — | — | | |
| 23 | Dismantling of existing structures like culverts, bridges retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work including T & P and scaffolding wherever necessary sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specification C. Prestressed /Reinforced cement concrete grade M-20 above /P | Cum | — | — | 139-20 | 1083-22 | 150758-70 | 139-20 | 150758-70 | | |
| | | | | | | | 458231-70 | | 458207-80 | | |
| | | | | | | | 38658-70 | | 41356-00 | | |
| | | | | | | | 45823-70 | | 499465-70 | | |
| | | | | | | | 4594717-70 | | | | |
| | | | | | | | | | | | |

**CERTIFICATE:**

1 Work done is satisfactory
2 There are no departmental issuesmade to the contractor
3 The contractor has cleared all debrice from work spot

Scanned by CamScanner